

Eaton 5P 1U Lithium-ion UPS technical specifications

Model overview

Catalog number	Power rating (VA/watts)	Input	Output	Dimensions (HxWxD, in.)	Weight (lb.)
5P Rackmount 1U 200-240 V, 50/60 Hz Models					
5P1550GR-L	1550/1100	C14	6 x C13	1.7" (1U) x 17.2" x 21.8"	35

Catalog number	Power rating (VA/watts)	Input	Output	Dimensions (HxWxD, in.)	Weight (lb.)
5P Rackmount 1U 120 V, 50/60 Hz Models					
5P1500R-L	1440/1100	5-15P	5 x 5-15R	1.7" (1U) x 17.2" x 21.8"	35

Runtime Data

Load (watts)	110W	220W	330W	440W	550W	660W	770W	880W	990W	1100W
5P1550GR-L	70	34	21	14	11	9	7	6	5	4
5P1500R-L	70	34	21	14	11	9	7	6	5	4

****Runtimes are approximate and may vary with equipment, configuration, battery age, temperature, etc. View interactive runtime graphs at www.eaton.com/5PRM

Additional specifications

General	5P Rackmount
Graphical LCD	Graphical display – UPS status in a single view
LED's	Three status-indicating LEDs
Topology	Line-interactive
Configuration	Rack 1U & wallmount
Color	Blue and black
Diagnostics	Full system self-test at power up
Warranty	5 years on the UPS and batteries with product registration
Rail kit (Rack Models)	4-post rail kit and wall-mount kit (included) Optional 2-post rail kit (1U kit): RK2PA
Remote emergency power off	ROO and RPO: Rear connector for remote on/off and power off
Contents (Ships with the following items)	UPS Quick start guide 4-post rail kit Extra wall mounting ear USB cable RS-232 serial cable <i>G-Models only:</i> 2 IEC-to-IEC jumper cables Output cable locking system

Electrical input		
Nominal voltage	230V (G model): 200/208/220/230/240 V 120V: 100/120/125 V	
Default voltage	High Voltage: 230 V Low Voltage: 120 V	
Input voltage range	208 V: 160-262 V 230 V: 160-294 V 120 V: 89-151 V	
Frequency	50/60 Hz	
Frequency range	50 Hz: 47–70 Hz 60 Hz: 56.5–70 Hz	
Electrical output		
On utility voltage regulation	230 V: 184-256 V (-20% - +15%) 120 V: 96-138 V (-20% - +15%)	
On battery voltage regulation	-10%, +6% of nominal	
Efficiency	Normal or line mode: ≥97% above 60% load	
Frequency tolerance	±0.1 Hz on battery	
Over current protection	Electronic current limit on battery	
Load segments	Two load segments plus master for manual or automated control (allows load shedding for extended runtime, sequenced startup, equipment cycling)	
Battery		
Battery description	Lithium Iron Phosphate (LFP) battery module	
Battery management	Lithium-ion Battery Management System (BMS) (provides advanced monitoring and management for safety and performance)	
Battery replacement	User-replaceable lithium-ion battery module (Li-ion battery designed to last the life of the UPS up to 8 years)	
Start on battery	Cold-start enabled; first cold start is always forbidden	
Communications		
Communication ports	RS-232 (RJ45) port USB port as standard (HID) 6-foot RS-232 and USB cables included	
Communications card slot (optional)	Gigabit Network Card (Network-M2) Network Management Card (Network-MS) Modbus Card (Modbus-MS) Relay Card (Relay-MS)	
Power management software	Eaton Intelligent Power Manager Software: www.eaton.com/managesmarter	
Environmental & standards		
RoHS compliance	Yes	
REACH compliance	Yes	
Surge protection	ANSI C62.41 Cat A3 / IEC 62040-2	
Safety conformance	UL1778 230 V: cTUVus / RCM 120 V: cULus / NOM Li-ion Battery Module: UL1973 / IEC 62619 / IEC 62133 / UN38.3	
EMC compliance	CFR 47, FCC Part 15 Subpart B, Class B	
Product markings	230 V: CE / cTUVus / RCM 120 V: CE / cULus / NOM	
Audible noise	< 45 dB at 1 meter	
Operating temperature	5 to 40°C (41°F to 104°F)	
Storage temperature	-10°C to 50°C (14°F to 122°F)	
Relative humidity	0 to 85% non-condensing	
Altitude	Up to 10,000ft (3000m) without de-rating	
Heat dissipation (battery fully charged)		
5P UPS Model	Line mode, BTU/hr	Battery mode, BTU/hr
5P1550GR-L	113*	714
5P1500R-L	68* (266**)	696

*Full load in normal mode without buck/boost.

**Energy loss increases if buck/boost is active, up to 266 BTU/hr worst-case in maximum boost mode.

Due to continuing product improvement programs, specifications are subject to change without notice.